Data Warehouse
&
Business Intelligence
Consulting

Year 2015

About Nippon ITS

- Company Founded and Managed by Team with 10+ years Experience on Different Database,DW,BI and Oracle Applications Products.

- We have one of best team of Experts (In house ,Freelancers and Contracts)

- We follow SLAs and Security polices of customers and if not available we help building them.

- Our team is highly Motivated ,Customer friendly and Passionate about their work.

- We provide Services at reasonable prices and with very professional approach.

- We are not "YES MAN" , we are honest , Straight forward and Even sometimes Blunt but all this is for benefits of our Customer. Our aim is to use experience to help you run your business effectively.

Data warehouse and BI offerings

Consulting
- DW & BI Strategy
- Business requirements
- Dimensional Modelling
- Dimensional Model Design Review

Implementation
- DW-Database
- BI and Reporting Tools

Development
- DW Management
- ETL package Development
- Reports Development
- Analytics Development

Support
- DW Database
- Changing ETL Packages
- Performance issues
- Manual loading of data if needed.
- Monitoring

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Consulting

- **DW & BI Strategy**
- Business Requirements
- Dimensional Modelling
- Dimensional Model Design Review

➢ Readiness Assessment and Strategy Prioritization projects are appropriate both for organizations embarking on their initial data warehouse/business intelligence (DW/BI) effort and those with a mature DW/BI environment.

➢ If this is your initial foray into DW/BI, NipponITS Team participates in the early planning stages to evaluate your organization's readiness to launch a DW/BI initiative and develop an effective strategy.

➢ We work with management to identify a high-priority, manageable initial scope, develop justification, and establish a roadmap for subsequent phases.

➢ If you have a mature DW/BI environment, an assessment engagement will identify opportunities to grow and enhance your capabilities. NipponITS Team will work with your organization to evaluate your current environment, assess your methodology and strategy, and ensure your organization's DW/BI capabilities align with the business's strategies and requirements. The assessment analysis will identify critical gaps, needs and recommended actions.

➢ Regardless of the maturity of your DW/BI environment, the goals and objectives for an assessment/strategy project include:

- Understand the high priority business requirements ,reporting and analytic needs.
- Conduct a high level review of the data and data architecture to determine its suitability for supporting the identified requirements.
- Derive a roadmap based on the data realities and business priorities to assure the DW/BI environment will meet the organization's ongoing and future reporting and analytic needs.

➢ Assessment/strategy projects typically include the following activities:

- Interview key business and IT sponsors and stakeholders.
- Analyze critical business requirements, executive commitment, and fundamental technical issues.
- Facilitate a management session to review findings, reach consensus on priorities, and secure commitment to a roadmap.
- Recommend an overall strategy for delivering enhanced DW/BI capabilities, including overall methodology, project scope, and data architecture.

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Consulting

- DW & BI Strategy
- **Business Requirements**
- Dimensional Modelling
- Dimensional Model Design Review

➢ Aligning the data warehouse/business intelligence (DW/BI) environment with the business's requirements is absolutely critical to a successful initiative period.

➢ Best-of-breed tools or sophisticated designs won't salvage a DW/BI project that fails to focus on the business.

➢ Nippon ITS team interviews key business management and knowledge workers to understand their business objectives, analytic requirements and associated potential business impact, and project success criteria.

➢ We conduct data discovery interviews with IT representatives knowledgeable about the key source systems to ensure that appropriate, feasible boundaries are established early in the process.

➢ Upon completion of the interview process, Nippon ITS team assimilates and analyzes the interview results. The findings are then presented to the appropriate stakeholders to validate the results, ensure consensus on the vision, and establish future priorities.

➢ NipponITS team's requirements deliverable typically covers the following topics:
  - Critical business and analytic requirements
  - Feasibility of existing systems and data to support the capabilities required
  - Preliminary data warehouse bus architecture with common business dimensions
  - Initial project success criteria
  - Key issues/risks with tactical and strategic recommendations.

Consulting

- DW & BI Strategy
- Business Requirements
- **Dimensional Modelling**
- Dimensional Model Design Review

➢ The goal of a data warehouse and business intelligence (DW/BI) solution is to publish the "right" data and make it easily accessible to decision-makers. Successful DW/BI implementations rest on the foundation of a dimensional model to deliver both ease-of-use and query performance.

➢ The effective dimensional models reflect the natural performance measurements and descriptive attributes of a business. They survive reorganizations, acquisitions, and other business changes, if designed properly.

➢ Business partners will find a well-designed dimensional model intuitive because it mirrors the way they think about the business, not the way a data modeler has normalized the organization's data.

➢ Dimensional models are critical to enabling the business to leverage the organization's valuable information assets.

➢ Nippon ITS Team often engages in a Dimensional Model Design project immediately following a Business Requirements effort.

➢ In other cases, the client may have independently completed the requirements analysis process. Nippon ITS consultants work closely with key business liaisons and IT professionals to facilitate the design of flexible dimensional models through a series of joint design workshops.

➢ The process results in a design specification describing the fact and dimension tables and associated columns, along with sample values, slowly changing dimension policies, and required business rules transformations, where appropriate.

➢ The resulting logical data model is the starting point for the physical design, source to target mapping, and ETL efforts that will follow. The model will be independent of database platform and/or tool idiosyncrasies.

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Consulting

- DW & BI Strategy
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- Dimensional Modelling
- **Dimensional Model Design Review**

➢ Some organizations have already invested a significant effort into gathering requirements and developing a preliminary schema, but require additional guidance before completing and implementing the model.

➢ Typically, a Nippon ITS consultant will make a two day onsite visit.

➢ Prior to the onsite visit, the consultant will review background documentation such as the project charter and scope, business requirements, and existing schema. In addition, we ask the client to provide a list of questions, issues and/or concerns related to the dimensional data models. During the onsite visit, the Nippon ITS consultant will facilitate discussion of the client's modelling questions and issues and provide feedback regarding Nippon ITS's review of the dimensional models.

➢ While each client engagement is different, topics may include

- Dimensional modelling best practices
- Nippon ITS's identified design issues
- Client identified design issues
- Trade-offs of alternative design options
- Data warehouse architecture alternatives

➢ Most clients take detailed notes during the onsite visit and develop written documentation summarizing the key learnings and recommendations resulting from the design review. Nippon ITS will then review and comment on this summary document. Alternately, the Nippon ITS consultant can provide a written summary for an additional fee.

➢ A typical design review project consisting of the background materials and existing schema review, the two day onsite session, and review of the written summary document is provided for a fixed amount plus associated travel and living expenses.

Our Capabilities

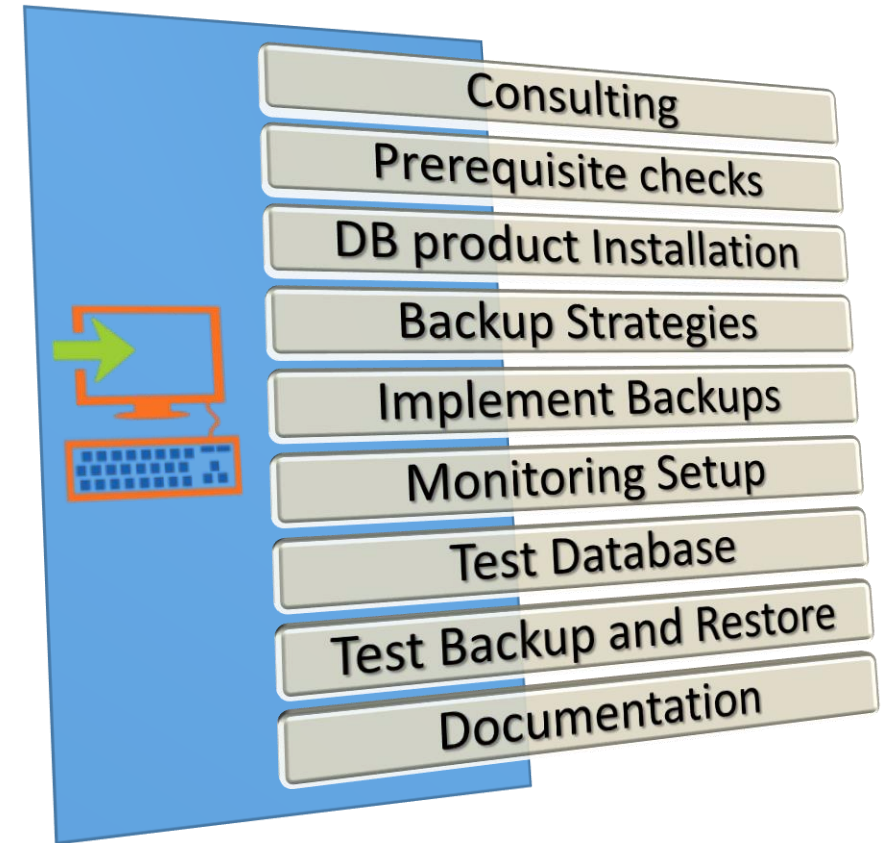# Our Approach

Implementation

- **DW-Database**
- BI and Reporting Tools

➢ Data warehouse - Database Installations

➢ We have capability to install and configure Oracle 10g to 12C, Microsoft SQL server 2008 to 2014 for DWH

➢ We provide high availability solutions for Databases DWH

➢ We Provide services to implement DWH on EXADATA which provides capability to have HOT data in-memory for faster loading.

Consulting

Prerequisite checks

DB product Installation

Backup Strategies

Implement Backups

Monitoring Setup

Test Database

Test Backup and Restore

Documentation

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Microsoft SQL Server

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Implementation

- DW-Database

- **BI and Reporting Tools**

➢ Consulting
- ➢ Select best suited Tool for BI and Reporting as per client requirements.
- ➢ Implementation Roadmap and Documentation.

➢ Implementation of the BI and Reporting tools
- ➢ Infrastructure setup.
- ➢ Installations and Configuration.

➢ Connectivity Tests with DWH and Other sources and DB servers.

➢ Post implementation and configuration support for preliminary setup of the Development and deployment team.

➢ Documentation of implementation and Configuration.

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BUSINESS INTELLIGENCE

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Development

- DWH Management
- ETL package Development
- Reports Development
- Analytics Development

➢ Developing DWH Management Scripts for
  ➢ Monitoring DWH environment
  ➢ Monitoring Connectivity with Connected Databases.

➢ Design / Implement Extraction packages from different databases.

➢ Design and Implement Customized Data Cleaning and Transformation packages.

➢ Developing Reports Solutions
  ➢ Reports can be emailed from DWH to list of users.
  ➢ Providing support for External reporting system solution.

➢ Providing Analytics development for
  ➢ Complex Reports
  ➢ Massaging data, Aggregating Data, Computation from data

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Support

- DW Database
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- Performance issues
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- Monitoring

➢ Database Administration Support

➢ BI Tools Administration and Configuration support

➢ Reporting server / Tools Support

➢ Deployment Management Support

➢ Data loading monitoring and support

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Implementation ,Development and Support

Database Products

BI and ETL Products

Nippon IT Solutions

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